



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: June 7, 2004 (use as many sheets as necessary)			Complete if Known	
			Application Number	10/663,954
			Filing Date	09/16/2003
			First Named Inventor	Jeffrey N. Parks
			Group Art Unit	To be Determined 2859
Sheet 1 of 6			Examiner Name	To be Determined Bennett
			Attorney Docket Number	026032-4602

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,192,315		Gesehke et al.	02-20-2001	
	A2	5,946,813		Nachbaur et al.	00-07-1990	
	A3	5,070,370		Olsen	03-02-1990	
	A4	5,020,984		Cage et al.	10-27-1998	
202	A5	5,802,727		Blank et al.	09-08-1998	
	A6	5,761,004		Olsen et al.	06-02-1998	
	A7	5,737,226		Olsen et al.	04-07-1998	
202	A8	5,699,044		Van Lente et al.	12-16-1997	
202	A9	5,664,335		Suman et al.	09-09-1997	
	A10	5,644,861		Blank et al.	07-08-1997	
	A11	5,632,092		Blank et al.	05-27-1997	
	A12	5,581,800		Brehler et al.	12-10-1996	
202	A13	5,511,319		Geerlings et al.	04-30-1996	
	A14	5,440,303		Kinoshita	08-08-1996	
	A15	5,390,122		Michaels et al.	02-14-1996	
	A16	5,353,241		Al-Attar	10-04-1994	
	A17	5,351,204		Al-Attar	09-27-1994	
	A18	5,349,620		Masumoto et al.	09-20-1994	
202	A19	5,345,382		Kao	09-06-1994	
202	A20	5,339,246		Kao	08-16-1994	
202	A21	5,333,110		Al-Attar	07-26-1994	
202	A22	5,323,336		Cage	06-21-1994	
	A23	5,297,066		Cage et al.	03-22-1994	
	A24	5,297,063		Cage	03-22-1994	
	A25	5,287,297		Ihara et al.	02-16-1994	
	A26	5,287,296		Ives et al.	02-15-1994	
	A27	5,256,442		Schiorbeck et al.	10-26-1993	
	A28	5,239,264		Hawke	08-24-1993	
	A29	5,236,514		Matsuzaki	08-10-1993	
202	A30	5,223,814		Suman	06-29-1993	
	A31	5,187,872		Dufour	02-23-1993	
	B32	5,166,260		Nguyen	11-24-1992	
	B33	5,161,311		Esmer et al.	11-10-1992	
	B34	5,151,872		Suzuki et al.	09-20-1992	
	B35	5,131,155		Takano et al.	07-21-1992	

001.1536350.1

Examiner Signature	G. Bradley Bennett	Date Considered	3 AUG 2004
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: June 7, 2004 (use as many sheets as necessary)			Complete If Known Application Number 10/663,954 Filing Date 09/16/2003 First Named Inventor Jeffrey N. Parks Group Art Unit To be Determined 2859 Examiner Name To be Determined Bennett Attorney Docket Number 026032-4602		
Sheet	2	of	6		

U.S. PATENT DOCUMENTS					
		U.S. Patent Document			
	B36	5,131,154	Schierbeek et al.	07-21-1992	
	B37	5,117,375	Worcester et al.	05-26-1992	
	B38	5,000,234	Gallagher	02-25-1992	
	B39	5,046,031	Wanous, Richard E.	00-03-1991	
282	B40	5,040,990	Suman et al.	08-20-1991	
	B41	5,023,799	Nakayama et al.	06-11-1991	
	B42	4,080,333	Holderfer et al.	02-05-1991	
	B43	4,053,306	Van Lente et al.	00-04-1990	
282	B44	4,924,402	Ando et al.	05-08-1990	
	B45	4,890,233	Ando et al.	12-26-1989	
282	B46	4,882,689	Aoki	11-21-1989	
	B47	4,866,627	Suyama	00-12-1989	
	B48	4,862,504	Schierbeek et al.	00-05-1989	
	B49	4,862,308	Shimizu et al.	08-20-1989	
	B50	4,852,012	Suyama	07-25-1989	
	B51	4,851,775	Kim et al.	07-25-1989	
	B52	4,843,865	Fowler	07-04-1989	
	B53	4,841,440	Suyama	06-20-1989	
	B54	4,831,563	Ando et al.	05-16-1989	
	B55	4,807,462	Al Attar	02-28-1989	
	B56	4,797,841	Hatch	01-10-1989	
	B57	4,791,720	Suda	12-20-1988	
	B58	4,782,453	Bauer et al.	11-01-1988	
282	B59	4,771,547	Akutsu et al.	09-20-1988	
282	B60	4,763,270	Itoh et al.	08-09-1988	
282	B61	4,763,269	Suyama et al.	08-09-1988	
282	B62	4,763,268	Itoh et al.	08-09-1988	
282	B63	4,763,072	Katoh et al.	08-09-1988	
282	C64	4,757,455	Tsunoda et al.	07-12-1988	
	C65	4,751,783	Ina et al.	06-21-1988	
282	C66	4,750,349	Luitje	06-14-1988	
282	C67	4,743,913	Takai	05-10-1988	
282	C68	4,739,560	Akutsu et al.	04-26-1988	
282	C69	4,739,224	Geerlings	04-19-1988	
	C70	4,738,031	Alberter et al.	04-19-1988	
282	C71	4,733,336	Skogler et al.	03-22-1988	

001.1535350.1

Examiner Signature	G. Bradley Bennett	Date Considered	3 AUG 2004
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/663,954
		Filing Date	09/16/2003
		First Named Inventor	Jeffrey N. Parks
		Group Art Unit	To be Determined 2859
		Examiner Name	To be Determined Bennett
Date Submitted: June 7, 2004		Attorney Docket Number	026032-4602
(use as many sheets as necessary)			
Sheet	3	of	6

U.S. PATENT DOCUMENTS				
		U.S. Patent Document		
	C72	4,733,170	Bauer et al.	03-22-1988
	C73	4,729,172	Albert et al.	03-08-1988
	C74	4,728,888	Bauer, et al.	03-01-1988
26	C75	4,721,364	Itoh et al.	01-26-1988
26	C76	4,720,992	Hormel	01-26-1988
	C77	4,698,042	Fowler et al.	10-13-1987
26	C78	4,694,583	Blaney	09-22-1987
	C79	4,686,772	Sebel	08-18-1987
	C80	4,685,053	Hatten et al.	08-04-1987
	C81	4,680,866	Johnson et al.	07-21-1987
	C82	4,677,754	Hormel	07-07-1987
	C83	4,677,384	Goedings	06-30-1987
	C84	4,673,878	Tsushima et al.	06-16-1987
	C85	4,672,665	Kuno et al.	06-09-1987
26	C86	4,660,161	Okada	04-21-1987
26	C87	4,652,860	Weishaupt et al.	03-24-1987
26	C88	4,646,089	Takanabe et al.	02-24-1987
26	C89	4,646,015	Phillips	02-24-1987
26	C90	4,642,776	Matsumoto et al.	02-10-1987
26	C91	4,640,016	Tanner et al.	02-03-1987
	C92	4,622,843	Hormel	11-18-1986
	C93	4,622,754	Chujo et al.	11-18-1986
26	C94	4,616,424	Arakawa et al.	10-14-1986
26	C95	4,611,293	Hatch et al.	09-09-1986
26	D96	4,593,359	Sadeh	06-03-1986
	D97	4,555,761	Mateumoto et al.	11-26-1985
	D98	4,546,554	Franks	10-16-1985
	D99	4,546,550	Marchant et al.	10-16-1985
	D100	4,539,760	Marchant et al.	09-10-1985
	D101	4,505,054	Clark et al.	03-10-1985
26	D102	4,497,034	Kuno et al.	01-29-1985
	D103	4,445,270	Tsushima et al.	05-01-1984
	D104	4,420,460	Tsushima et al.	02-07-1984
	D105	4,426,747	Moreus	01-17-1984
	D106	4,424,631	Franks	01-10-1984
26	D107	4,418,480	Garner	12-06-1983

001.1536350.1

Examiner Signature	G. Bradley Bennett	Date Considered	3 AUG 2004
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

Date Submitted: June 7, 2004

(use as many sheets as necessary)

Complete If Known

Application Number	10/663,954
Filing Date	09/16/2003
First Named Inventor	Jeffrey N. Parks
Group Art Unit	To be Determined 2859
Examiner Name	To be Determined Bennett
Attorney Docket Number	026032-4602

Sheet 4 of 6

U.S. PATENT DOCUMENTS

	U.S. Patent Document		
D108	4,416,067	Scherer et al.	11-22-1983
D109	4,414,753	Moulin et al.	11-15-1983
D110	4,413,424	Sasaki et al.	11-08-1983
26 D111	4,402,142	Dinsmore	09-06-1983
26 D112	4,388,558	Mizuno et al.	06-14-1983
D113	4,373,271	Nitz	02-15-1983
26 D114	4,347,730	Fisher et al.	09-07-1982
D115	4,344,023	Marcus et al.	07-27-1982
D116	4,336,596	Martin	06-22-1982
26 D117	4,323,972	Winter	04-06-1982
D118	4,309,828	Sakamoto	04-12-1982
D119	4,293,815	West et al.	10-06-1981
D120	4,277,751	Lawson et al.	07-07-1981
D121	4,250,626	Lazar	02-17-1981
D122	4,179,741	Rossani	12-18-1979
D123	4,163,326	Edwards	08-07-1979
D124	4,157,640	Zuvola	06-12-1979
D125	4,146,970	Edwards	04-03-1979
D126	4,143,467	Ersamer et al.	03-13-1979
26 D127	4,139,892	Gudea et al.	02-13-1979
D128	4,112,766	Sullivan	09-12-1978
D129	4,091,543	Lapeyre	05-30-1978
E130	4,031,630	Fowler	06-28-1977
E131	4,030,204	Edwards	06-21-1977
E132	4,024,382	Fowler	06-17-1977
E133	4,023,048	Hall	05-18-1977
E134	3,991,961	Mattern et al.	11-09-1976
E135	3,971,981	Nakagome et al.	07-27-1976
E136	3,943,763	Garner	03-16-1976
26 E137	3,938,257	Ersamer	02-17-1976
E138	3,903,640	Heavyside et al.	09-09-1975
E139	3,807,666	Dovlin	04-30-1974
E140	3,778,703	Jackson	12-11-1973
E141	3,746,842	Fowler	07-17-1973
E142	3,744,312	Anderson	07-10-1973
26 E143	3,691,643	Baker et al.	09-19-1972
26 E144	3,683,668	Baker et al.	08-15-1972
26 E145	3,680,951	Jordan et al.	08-01-1972
E146	3,678,593	Baker et al.	07-25-1972
26 E147	3,634,946	Star	01-18-1972

001.1536350.1

Examiner
Signature

G. Bradley Bennett

Date
Considered

3 AUG 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: June 7, 2004 (use as many sheets as necessary)				Complete If Known	
				Application Number	10/663,954
				Filing Date	09/16/2003
				First Named Inventor	Jeffrey N. Parks
				Group Art Unit	To be Determined <i>2859</i>
				Examiner Name	To be Determined <i>Bennett</i>
				Attorney Docket Number	026032-4602
Sheet	5	of	6		

U.S. PATENT DOCUMENTS					
		U.S. Patent Document			
	E148	3,626,280		Van Englehoven	12-07-1971
<i>28</i>	E149	3,541,853		Anderson	11-24-1970
<i>28</i>	E150	3,415,980		Maieli et al.	12-10-1968
<i>28</i>	E151	3,253,342		Depp	05-31-1966
<i>28</i>	E152	3,197,880		Rice et al.	08-03-1965
<i>28</i>	E153	2,959,865		Boose	11-15-1960
	E154	2,903,798		Taylor	09-15-1958
	E155	2,852,859		Depp	09-23-1958
	E156	2,475,593		Craddock et al.	07-12-1948
	E157	2,308,566		Noxon	01-10-1943
	E158	2,177,218		Klein et al.	10-24-1939
<i>28</i>	E159	2,155,712		Hull	04-25-1939
	E160	2,132,168		Klein et al.	10-04-1938
	E161	2,056,715		Dinsmore	10-06-1936
	E162	2,053,154		Pierre	09-01-1936
<i>28</i>	E163	Des 328,587		Arbisi	08-11-1992

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
28	F164	•	WO 82/02448			07-22-1982		
	F165	•	DE 3613560			10-29-1987		
	F166	•	DE 3611147			10-16-1986		
	F167	•	DE 2922230			10-23-1980		
28	F168	•	DE 2968604					
	F169	•	DE 6328587					
	F170	•	DE 9848292					
	F171	•	GB 2193321			02-03-1998		
28	F172	•	JP 9512108			12-02-1997		
	F173	•	JP 03068811			03-25-1991		
	F174	•	EP 0321123			06-21-1989		
	F175	•	JP 63187113			08-02-1988		
28	F176	•	JP 62008011			01-16-1987		
	F177	•	JP 62145111			06-29-1987		
	F178	•	JP 6010114			01-19-1985		
	F179	•	JP 60244644			12-04-1985		
28	F180	•	JP 59100812			06-11-1984		
	F181	•	JP 5817313			02-01-1983		

001.1536350.1

Examiner Signature	<i>G. Bradley Bennett</i>	Date Considered	<i>3 AUG 2004</i>
--------------------	---------------------------	-----------------	-------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: June 7, 2004 (use as many sheets as necessary)				Application Number	10/663,954
				Filing Date	09/16/2003
				First Named Inventor	Jeffrey N. Parks
				Group Art Unit	To be Determined 2959
				Examiner Name	To be Determined Bennett
Sheet	6	of	6	Attorney Docket Number	026032-4602

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
202	F182	-	JP 5860220			04-23-1983		
	F182		JP 58135412			08-12-1983		
	F184		JP 5763307					
202	F185	-	JP 57116211			07-20-1982		
202	F186	-	JP 57122310			07-30-1982		
202	F187	-	JP 5516275			02-04-1980		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
202	F188	TOYOTA publication regarding CORONA, 1982, 25 pgs. (not in English)	

001 1536350.1

Examiner Signature	G. Bradley Bennett	Date Considered	3 AUG 2004
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.